

AMENDMENTS TO THE CLAIMS:

The claims are not herewith amended, and are provided below simply for the convenience of the Examiner.

Listing of Claims:

1. (Previously Presented) A method of evaluating a base station without missing a digital control channel paging frame, comprising:
receiving a first paging frame from a digital control channel transmitted by a first base station;
initiating a timing sequence after receiving said first paging frame;
prior to completion of the initiated timing sequence, scanning for system parameters from a digital control channel of at least one second base station; and
receiving a second paging frame from the digital control channel transmitted by said first base station.
2. (Previously Presented) The method of Claim 1, further comprising halting scanning when said system parameters from said at least one second base station are received.
3. (Canceled)
4. (Previously Presented) The method of Claim 1, wherein said second paging frame is a next paging frame which immediately follows said first paging frame.
5. (Previously Presented) The method of Claim 1, wherein a duration of scanning is limited to a predetermined amount of time, said predetermined amount of time being dependent on an amount of time between said first and second paging frames.
6. (Previously Presented) The method of Claim 1, wherein a duration of scanning is limited to a predetermined amount of time, said predetermined amount of time being dependent on mobile station architecture.

7. (Previously Presented) The method of Claim 1, wherein a duration of scanning is limited to a predetermined amount of time, said predetermined amount of time being dependent on an amount of time required to switch from receiving the first paging frame to scanning and from scanning to receiving the second paging frame.

8. (Previously Presented) The method of Claim 1, performed by a mobile station.

9. (Previously Presented) A method of evaluating a base station without missing a digital control channel paging frame, comprising:

initiating a timing sequence after receiving a first paging frame from a digital control channel transmitted by a first base station;

selecting a at least one second base station to be evaluated during said timing sequence;

prior to completion of the initiated timing sequence, scanning said at least one second base station transmissions for system parameters; and

receiving a second paging frame from said digital control channel transmitted by the first base station.

10. (Previously Presented) The method of Claim 9, further comprising halting scanning when said system parameters from said at least one second base station are received.

11. (Canceled)

12. (Previously Presented) The method of Claim 9, wherein said second paging frame is a next paging frame which immediately follows said first paging frame.

13. (Previously Presented) The method of Claim 9, wherein a duration of scanning is limited to a predetermined amount of time, said predetermined amount of time being dependent on mobile station architecture.

14. (Previously Presented) The method of Claim 9, wherein a duration of scanning is limited to a predetermined amount of time, said predetermined amount of time being dependent on an amount of time between said first and second paging frames.

15. (Previously Presented) The method of Claim 9, wherein a duration of scanning is limited to a predetermined amount of time, said predetermined amount of time being dependent on an amount of time required to switch from receiving the first paging frame to scanning and from scanning to receiving the second paging frame.

16. (Previously Presented) The method of Claim 9, performed by a mobile station.

17. (Previously Presented) A system of wireless base station and mobile station communication, comprising:

first and second base stations transmitting digital control channel paging frames and system parameters; and

a mobile station registered with and receiving digital control channel paging frames from said first base station;

wherein said mobile station is adapted to respond to a receipt of a first digital control channel paging frame from said first base station to trigger evaluation of said second base station based at least on transmitted system parameters of said second base station without missing a next digital control channel paging frame that is transmitted from said first base station.

18. (Canceled)

19. (Canceled)

20. (Canceled)

21. (Previously Presented) The system of Claim 17, wherein said mobile station is adapted to receive a transmission from said second base station only during a predetermined period of time, said predetermined period of time being dependent on at least an architecture of said mobile station.

22. (Previously Presented) The system of Claim 17, wherein said mobile station is adapted to receive a transmission from said second base station only during a predetermined period of time, said predetermined period of time being dependent on at least an amount of time between said digital control channel paging frames for said mobile station transmitted by said first base station.

23. (Previously Presented) The system of Claim 17, wherein said mobile station is adapted to receive a transmission from said second base station only during a predetermined period of time, said predetermined period of time being dependent on at least an amount of time required for said mobile station to switch from receiving the first digital control channel paging frame transmitted by said first base station to receiving said system parameters transmitted by said second base station, and to switch back to receive the next digital control channel paging frame transmitted by said first base station.

24. (Previously Presented) A mobile station, comprising:

a transceiver unit, comprising

a transmitter;

a receiver; and

a logic control assembly that comprises a guard timer used to control operation of said transceiver unit to scan for transmitted parameters of at least one base station under evaluation without missing digital control channel paging frames transmitted from a registered base station to said mobile station, wherein said transceiver unit receives said parameters only during a predetermined period of time set by said guard timer that is dependent on an amount of time between said digital control channel paging frames for said mobile station transmitted by said

registered base station.

25. (Previously Presented) The mobile station of Claim 24, wherein receipt of a first digital control channel paging frame from said registered base station triggers said logic control assembly to initiate operation of said guard timer and to cause said transceiver unit to scan for said at least one base station under evaluation.

26. (Previously Presented) The mobile station of Claim 24, further comprising memory and said logic control assembly executes programs in said memory to control said transceiver unit, said guard timer, and to evaluate said transmitted parameters.

27. (Previously Presented) The mobile station of Claim 24, wherein said transceiver unit receives said parameters only when said registered base station is not transmitting said digital control channel paging frames.

28. (Original) The mobile station of Claim 24, wherein said transceiver unit stops scanning for said parameters once said parameters are received.

29. (Previously Presented) The mobile station of Claim 24, wherein said transceiver unit can receive said parameters only during a predetermined period of time, said predetermined period of time being dependent on at least an architecture of said mobile station.

30. (Canceled)

31. (Previously Presented) The system of Claim 24, wherein said transceiver unit is adapted to receive a transmission from the at least one second base station under evaluation only during a predetermined period of time set by said guard timer, said predetermined period of time being dependent on at least an amount of time required for said mobile station to switch from receiving a digital control channel paging frame transmitted by said registered base station to receiving system parameters transmitted by said at least one base station under evaluation, and to switch

back to receive a next digital control channel paging frame transmitted by said registered base station.

32. (Previously Presented) An integrated circuit, comprising:

control circuitry adapted to implement a guard timer and to control operation of a radio frequency receiver to receive a system parameter-containing transmission from a first base station under evaluation during a predetermined period of time set by said guard timer, said predetermined period of time being dependent on at least an amount of time required to switch the radio frequency receiver from receiving a digital control channel paging frame transmitted by a second base station to receiving the system parameter-containing transmission transmitted by said first base station under evaluation, and to switch back to receive a next digital control channel paging frame transmitted by said second base station.

33. (Previously Presented) An integrated circuit as in claim 32, embodied in a mobile station, where said second base station is a base station to which the mobile station is currently registered.

34. (Previously Presented) An integrated circuit as in claim 32, where said digital control channel paging frame as received comprises a paging message sent over a full-rate digital control channel.

35. (Previously Presented) An integrated circuit as in claim 32, where said digital control channel paging frame as received comprises a paging message sent over a half-rate digital control channel.

36. (Previously Presented) A computer program product embodied in a tangible memory medium and comprising instructions the execution of which by a data processor result in operations that comprise controlling operation of a radio frequency receiver to receive a system parameter-containing transmission from a first base station under evaluation during a predetermined period of time set by a guard timer, said predetermined period of time being dependent on at least an

amount of time required to switch the radio frequency receiver from receiving a digital control channel paging frame transmitted by a second base station to receiving the system parameter-containing transmission transmitted by said first base station under evaluation, and to switch back to receive a next digital control channel paging frame transmitted by said second base station; and evaluating parameters received from the first base station.

37. (Previously Presented) A computer program product as in claim 36, embodied in a mobile station, where said second base station is a base station to which the mobile station is currently registered.

38. (Previously Presented) A computer program product as in claim 36, where said digital control channel paging frame as received comprises a paging message sent over a full-rate digital control channel.

39. (Previously Presented) A computer program product as in claim 36, where said digital control channel paging frame as received comprises a paging message sent over a half-rate digital control channel.